

- BRANDON ZHITNITSKY -

Senior Full-Stack Software Engineer & Technical Lead
Infrastructure | Automation | Platform Operations

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 bzhitnitsky

PROFESSIONAL SUMMARY

Senior full-stack software/application engineer and technical lead with 15+ years of hands-on technology experience spanning infrastructure, systems administration, consulting, and enterprise software engineering, including 5+ years in enterprise engineering roles. Broad technical background spans infrastructure planning and implementation, Linux/Unix systems, networking, virtualization, cloud-hosted applications, automation, full-stack and object-oriented application development, databases, and production support. Owns technical work from requirements and architecture through implementation, deployment, troubleshooting, and support; rapidly learns unfamiliar technologies and diagnoses issues across application, operating-system, database, network, and infrastructure boundaries.

CORE TECHNOLOGIES

Infrastructure & Cloud: Linux/Unix, Proxmox VE, VMware ESXi, AWS (EC2, RDS), Microsoft Azure, Terraform (currently learning in homelab)

Automation & Delivery: Python, Bash, YAML, Git/GitHub

Application Engineering: JavaScript, TypeScript, Node.js, Fastify, Java, C#.NET, HTML/CSS, ColdFusion, REST APIs

Data & Observability: SQL Server/T-SQL, Oracle SQL, SSIS/ETL, SQLite, Grafana, Splunk

PROFESSIONAL EXPERIENCE

Accredo Health Group, Inc. (Evernorth Health Services)

Nov 2020 - Present

Software Engineering Advisor (Apr 2023 - Present) | Software Engineering Lead Analyst (Aug 2021 - Apr 2023)

Software Engineering Senior Analyst (Nov 2020 - Aug 2021)

- Own internal applications and data solutions end to end as a technical owner/SME: requirements, source-system discovery, architecture, schema/data design, ETL, responsive UI/UX, backend/API development, testing, deployment, documentation, and production support.
- Trusted with broad authorized access to sensitive patient PII/PHI in a regulated healthcare environment, incorporating privacy, security, and secure-data-handling considerations into application development, data pipelines, troubleshooting, reporting, and production support.
- Built and maintained responsive full-stack web applications using HTML, CSS, JavaScript, jQuery, and Bootstrap, with polished UI/UX and frontend interactions backed by ColdFusion services, JSON endpoints, and SQL Server/Oracle integrations.
- Built and maintained SSIS pipelines that extract from Oracle, transform and stage data in SQL Server, and merge into production datasets; designed relational schemas, views, indexes, stored procedures, functions, and performance-oriented data structures.
- Troubleshoot across application, data, database, and infrastructure boundaries; lead cross-functional validation with business owners, application SMEs, DBAs, infrastructure teams, administrators, data engineers, and leadership, communicating risks, technical tradeoffs, rollout implications, and known limitations.
- Mentor and onboard teammates, share reusable technical patterns and queries, and create technical/user documentation, support guidance, metric definitions, and release communications in Confluence.

SELECTED ENGINEERING & OPERATIONS IMPACT

- Took ownership after a critical daily reporting process had been unavailable for approximately one month and restored it within 24 hours of the issue being escalated to me; subsequently became a go-to SME for urgent reporting and production-support needs.
- Evaluated server-side Splunk logs, analytics-derived data, SQL Server, Databricks, and system-of-record data to design a more reliable operational reporting architecture and durable data-ingestion approach.
- Enhanced an internal research application with document/image retrieval; based on operations feedback, reduced certain research workflows to approximately 1-2 minutes and eliminated the need for a dedicated supervisor research workflow.
- Reconstructed fragmented operational data into a more reliable source of truth with status/channel normalization and effective-dated history for historical point-in-time reporting.

INFRASTRUCTURE & CONSULTING EXPERIENCE

Three Z IT Solutions LLC

2017 - 2020

Founder / Lead IT Consultant & Project Manager

- Founded and operated a small IT consulting business serving small- and mid-sized organizations, translating business, reliability, growth, and budget requirements into practical infrastructure and technology solutions.
- Designed and implemented end-to-end client environments spanning servers, virtualization, wired/wireless networking, storage, backup/disaster recovery, remote access, and open-source and commercial business systems.
- Deployed and administered Linux/Unix services and virtualized infrastructure, including VMware ESXi, web/application services, file and storage platforms, VPN/remote-access solutions, and FreePBX/VoIP-style systems.
- Planned and executed infrastructure upgrades, migrations, and modernization efforts, including limited AWS-hosted workloads and automation intended to reduce repetitive support and administration.
- Led technical delivery from requirements and architecture through procurement, implementation, configuration, troubleshooting, documentation, and handoff/support.
- Coordinated work across a small team and occasional contractors, delegating tasks based on technical strengths, mentoring contributors, and maintaining ownership of overall solution quality and client outcomes.

Souder Brothers Construction, Inc.

2011 - 2017

Freelance IT Consultant

- Built and supported core IT infrastructure from the ground up in an environment that initially had little centralized technology, including structured cabling, wired/wireless networking, routers/switches, servers, storage, endpoints, and remote-access capabilities.
- Assessed business workflows, user requirements, reliability needs, and budget constraints to select, implement, and support practical technology solutions across hardware, software, networking, and infrastructure.
- Designed and implemented reliability-focused backup and disaster-recovery practices, including local and offsite backups, redundant storage, and 3-2-1-style data-protection strategies.
- Administered and troubleshot Windows, macOS, Linux/Unix, network services, file shares, endpoint systems, and open-source technologies, resolving issues across hardware, software, networking, and infrastructure layers.
- Supported infrastructure lifecycle needs including system upgrades, hardware replacement, endpoint deployment, network changes, troubleshooting, documentation, and user support as the business and technology environment evolved.

INDEPENDENT TECHNICAL WORK

- Operate a current Proxmox VE homelab with Linux virtual machines and containers, self-hosted services, and GPU-backed AI/model-serving workloads; currently exploring Terraform for Infrastructure-as-Code provisioning.
- Build Python browser and HTTP-request automations using Selenium and requests, including session handling, reusable functions, control flow, and exception/error handling.
- Host and operate applications on Ubuntu Server using nginx for web serving and reverse proxying, TLS termination and certificate automation with Let's Encrypt, application routing, and service-level troubleshooting; previously deployed Grafana resource monitoring and dashboards for the environment.
- Built and deployed a private full-stack event-management application for approximately 150 invited users using Node.js, TypeScript, Fastify, JavaScript/HTML/CSS, and SQLite; implemented Twilio SMS verification/2FA, invitation and RSVP workflows, table assignments, administrative screens, application logging, and third-party integrations.
- Designed and deployed an AWS-hosted asset-lending application for a nonprofit using EC2 for application hosting and Amazon RDS for Microsoft SQL Server; modeled inventory, borrower, checkout/return condition, due-date, and possession-verification workflows.
- Modernized a small-business endpoint and identity environment using Apple Business Manager, Mosyle Business MDM, Google Workspace, and Bash/AppleScript automation for device enrollment, configuration, application deployment, and managed identity workflows.

EDUCATION

Bachelor of Science in Information Science & Technology • Temple University, Philadelphia, PA